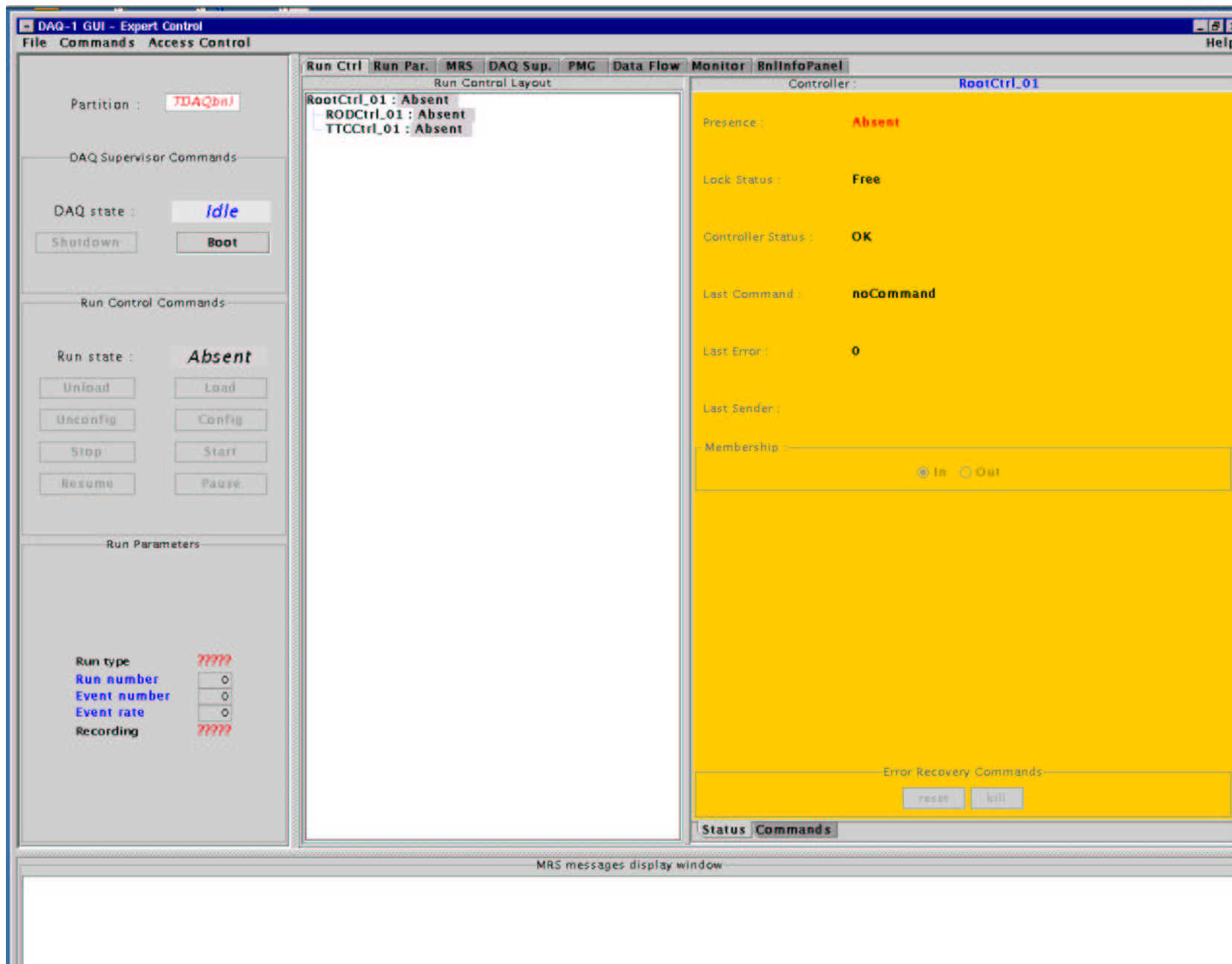




LargOnline software status

- Integration into TDAQ
- Conclusion



Parameters setting in TDAQ

- 1. Run the TDAQ-IGUI
 - `play_daq TDAQbnl no_obj`
 - valid configuration database
- 2. System BOOT
 - all the controllers are executed
 - controller parameters are read from the partition's database
- 3. System LOAD
 - all the controllers execute the command LOAD
 - some values can be re-actualized via the Information Server
- 4. System CONFIG
 - all the controllers execute the command CONFIG
 - some values can be re-actualized via the Information Server

2. System **BOOT**

3. System **LOAD**

4. System **CONFIG**

```





# feb params
# FEB_NGAIN_SELECTORS = 8, } Special comment fields

"Mode:x"          0 1 2 3 4 5 6 7 #          int          mode[FEB_NGAIN_SELECTORS];
"Gain1:x"         8 9 a b c d e f #          int          gain1[FEB_NGAIN_SELECTORS];
"Gain2:x"         0 1 2 3 4 5 6 7 #          int          gain2[FEB_NGAIN_SELECTORS];
"Gain3:x"         8 9 a b c d e f #          int          gain3[FEB_NGAIN_SELECTORS];
"Extra:x"         0 1 2 3 4 5 6 7 #          int          extra[FEB_NGAIN_SELECTORS];
"Uthreshold:x"   8 9 a b c d e f #          int          u_threshold[FEB_NGAIN_SELECTORS];
"Lthreshold:x"   0 1 2 3 4 5 6 7 #          int          l_threshold[FEB_NGAIN_SELECTORS];

#          //SCA control
"Gain Mode:d"     5          #          unsigned int  gainmode;
"Nb Samples:d"   7          #          unsigned int  nsamples;
"Latency:d"      100       #          unsigned int  latency;
"First Samle:d"  1          #          unsigned int  firstSample;
"Gain Duration:d" 14       #          unsigned int  sameGainDuration;
"Read Delay:d"   5          #          unsigned int  readOutDelay;

#          //TTCrx
"Fine Delay1:d"  4          #          unsigned int  fineDly1;
"Fine Delay2:d"  5          #          unsigned int  fineDly2;
"Corse Delay:d"  10       #          unsigned int  coarseDly;

```

-  **Label**
-  **Field Type (e.g. x = hexadecimal, d = decimal, etc.); Optional field**
-  **Values representing the edit fields**
-  **Comments**

DAQ-1 GUI - Expert Control
File Commands Access Control Help

Partition : **TDAQbnl**

DAQ Supervisor Commands

DAQ state : **Idle**

Shutdown Boot

Run Control Commands

Run state : **Absent**

Unload Load

Unconfig Config

Stop Start

Resume Pause

Run Parameters

Run type **????**

Run number 0

Event number 0

Event rate 0

Recording **????**

Run Ctrl Run Par. MRS DAQ Sup. PMG Data Flow Monitor BnlInfoPanel

TDAQbnl

- TTCC_01
 - PARAMS_PTG_01
- SPAC_01
 - PARAMS_SPAC_01
- RODC_01
 - PARAMS_RODC_01_01
- HFEC_01
 - CALIB_01
 - PARAMS_SPAC_CALIB_01
 - PARAMS_TTC_CALIB_01
 - T8_01
 - PARAMS_SPAC_T8_01
 - FEB_01_01
 - PARAMS_SPAC_FEB_01_01

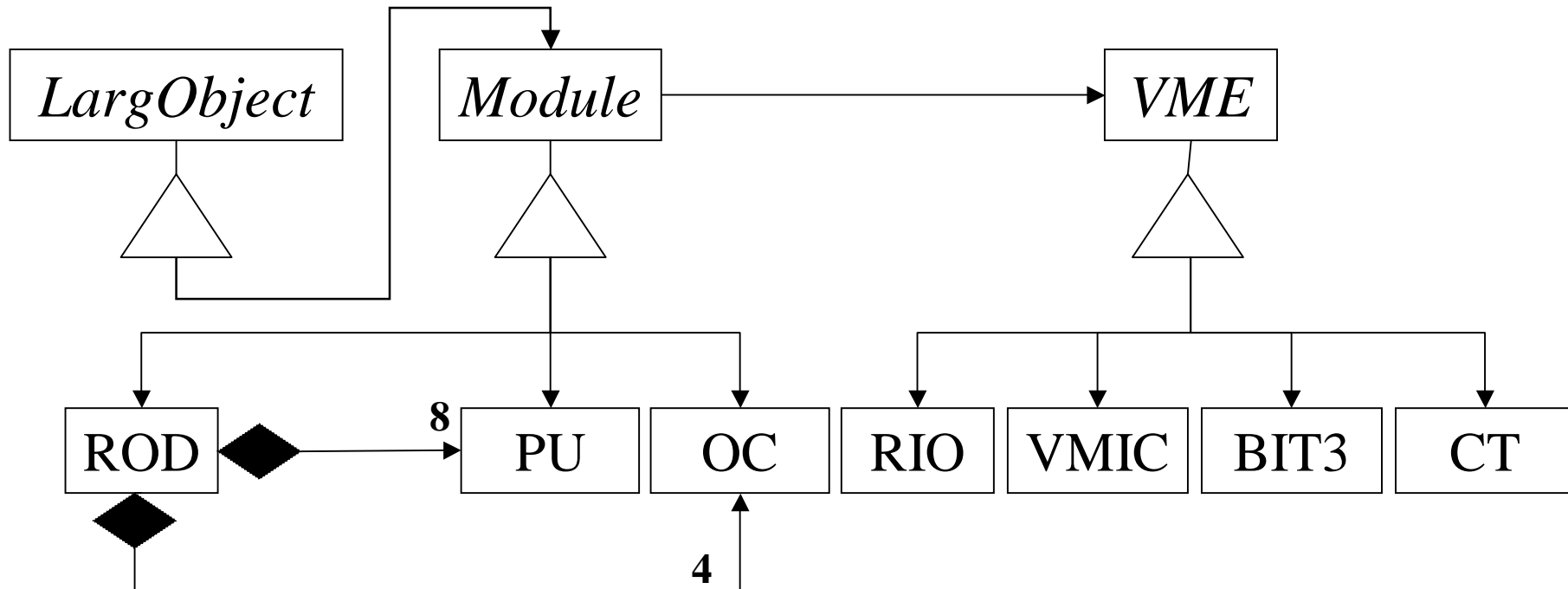
Update dB Update IS

Mode	x 0	x 1	x 2	x 3	x 4	x 5	x 6
Gain1	x 8	x 9	x a	x b	x c	x d	x e
Gain2	x 0	x 1	x 2	x 3	x 4	x 5	x 6
Gain3	x 8	x 9	x a	x b	x c	x d	x e
Extra	x 0	x 1	x 2	x 3	x 4	x 5	x 6
Uthreshold	x 8	x 9	x a	x b	x c	x d	x e
Lthreshold	x 0	x 1	x 2	x 3	x 4	x 5	x 6
Gain Mode	d 5						
Nb Sampl...	d 7						
Latency	d 100						
First Samled	1						
Gain Dur...	d 14						
Read Delay	d 5						
Fine Dela...	d 4						
Fine Dela...	d 5						
Corse Del...	d 10						

feb params
FEB_NGAIN_SELECTORS = 8,

MRS messages display window

Role of the class *LargObject*



- LargObject:***
- Params super-class
 - SetDb & SetIs - methods
- ROD:***
- RodParams extended-class
 - RodParams specific parameters

Conclusions

- Controller (Fatih)
- Automatic configuration mechanism
- Prepared for
 - Tests at BNL
 - BEC Test